

## Claims

- [1] A CDMA signal generator comprising:
  - an additive white Gaussian noise generator for generating a first broad band noise in an RF receiving band;
  - a first signal generator for generating a first conversion frequency signal;
  - a first mixer for mixing the first broad band noise in the RF receiving band with the first conversion frequency signal to provide a second broad band noise in an IF band, said IF band including a CDMA band and a remaining frequency band that is exclusive of the CDMA band;
  - a SAW filter for attenuating a third broad band noise in the remaining frequency band within the IF band to a predetermined level to provide a substantially CDMA band noise;
  - a second signal generator for generating a second conversion frequency signal; and
  - a second mixer for mixing the substantially CDMA band noise from the SAW filter with the second conversion frequency signal from the second signal generator to provide an output.
- [2] The CDMA signal generator according to claim 1, wherein said output is usable as a test input signal to an RF block unit.
- [3] The CDMA signal generator according to claim 1, wherein a passband of said SAW filter is about 1.25 MHz.
- [4] The CDMA signal generator according to claim 1, wherein a passband of said SAW filter is about 5 MHz.